

AMENDMENTS TO THE SPECIFICATION:

Kindly replace the Abstract of the Disclosure with the following new Abstract:

The present invention provides to provide a corrosion-resistant metal made sensor for fluid and a fluid supply device for which the sensor is employed. This has made it possible that the corrosion resistance of a thermal type mass flow rate sensor is raised, and also that the measurement accuracy to the pressure changes is stabilized, its responsivity is enhanced, particle free is achieved, unevenness in product quality is prevented, and the pressure is measured.

Concretely More specifically, the corrosion-resistant metal made sensor for fluid is equipped with a corrosion-resistant metal substrate-2, a mass flow rate sensor part-4 comprising a corrosion resistant metal substrate-2, a thin film forming a temperature sensor 3a and a heater-3b mounted on the back face side of the fluid contacting surface of the said corrosion-resistant metal substrate, and a pressure sensor part-4 comprising a thin film forming a strain sensor element-4a mounted on the back face side of the fluid contacting surface of the corrosion-resistant metal substrate-2, and the sensor is so constituted that the mass flow rate and pressure of the fluid are measured.